EXPRESS MAIL NO.: EM 489547290 US
MAILED: 19 March 1999
Patent Docket P1268R1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of de Sauvage et al. Serial No.: To be assigned Filed: 19 March 1999 For: GFRalpha3 and Its Uses	Group Art Unit: To be assigned Examiner: To be assigned

CERTIFICATE RE: SEQUENCE LISTING

RESPONSE UNDER 37 CFR § 1.821(f)

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

I hereby state that the Sequence Listing submitted herewith is submitted in paper copy and a computer-readable diskette, and that the information recorded in computer readable form is identical to the written sequence listing.

Respectfully submitted,

GENENTECH, INC.

Date: March 19, 1999

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/272,835

DATE: 03/31/1999
TIME: 13:59:50

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This Raw Listing contains the General Information Section and up to first 5 pages.

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<110> APPLICANT: Robert D. Klein
Arnon Rosenthal
Heidi S. Phillips
Frederic J. de Sauvage
<120> TITLE OF INVENTION: GFRalpha3 and its Uses
<130> FILE REFERENCE: P1268R1
<140> CURRENT APPLICATION NUMBER: US/09/272,835
<141> CURRENT FILING DATE: 1999-03-19
<150> EARLIER APPLICATION NUMBER: US 60/079,124
<151> EARLIER FILING DATE: 1998-03-23
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<151> EARLIER FILING DATE: 1998-04-13
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Thr Gly Ala Val Val Val Ala Ala Thr Trp Ser Arg Lys Leu Pro
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Cys His Arg Glu Gln Val Cys Glu Gln Leu Tyr Pro Gly Gln Lys
65 70 75
Glu Met Arg Gly Ser Arg Leu Gln Gly Cys Leu Pro Ala Pro Gly
80 85 90
Leu Leu His Leu Gln Phe Lys Gln Ala Ala Ala Leu Arg Gly Val
95 100 105
Cys His Val Cys Arg Leu Pro Arg Gly Ser Arg Thr Thr Gln Glu
110 115 120
Gln Leu Ser Asp Arg Leu Gln Val Pro Ser Ala His Glu Ala Pro
125 130 135
Ser Tyr Leu Ser Gly His Leu Leu Asp Arg Ser Pro Cys Pro Lys
140 145 150
Pro Trp Leu Arg Val Gly Cys Leu Thr Leu Arg His Ser Asp Gln
155 160 165
Gln Thr Leu Glu Lys Ser Gln Val Glu His Ala Gln Thr Arg Leu
170 175 180
Gly Pro Leu Pro Gln Ile Cys Tyr Ala Val Tyr Ser Ser Arg Gln
185 190 195
Val Pro Pro Ala Gln Gly Leu Arg Gly Gly Met Leu Arg Asp Pro
200 205 210
Leu Pro Ala Pro Pro Leu Pro Ser Pro Ala Ala Leu Leu Leu Glu
215 220 225
Gly Ser Arg Val Pro Arg Ser Gly Ser Ala Ala Val Ser Leu Cys
230 235 240
Thr Arg Arg Cys Gly Leu Trp Gly Ala Ala Ala His His Arg Pro
245 250 255
Gln Leu Arg Pro Ala Phe Cys Asn Pro Gln Leu Pro Gly Ser Ala
260 265 270
Glu Leu Leu Pro Cys Gly Pro Phe Val Gln Ile Thr Pro Asp Gly
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165                         455                 460                 465
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167                         470                 475                 480
168       Ser Phe Gln Thr Ser Leu Ala Pro Ala Ser Phe Trp Leu Arg Leu
169                         485                 490                 495
170       Leu Leu Leu Arg Thr Leu Trp Val Gln Phe Cys Leu Leu Phe Trp
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182       Lys Ser Ser Leu Trp Val Leu Phe Asn Ser Tyr Tyr Cys Pro Gln
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211         Pro Phe Ile Ser Val Glu His Ile Pro Lys Gly Asn Asn Cys Leu
212                        140                 145                 150
213         Asp Ala Ala Lys Ala Cys Asn Leu Asp Asp Ile Cys Lys Lys Tyr
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215         Arg Ser Ala Tyr Ile Thr Pro Cys Thr Thr Ser Val Ser Asn Asp
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218                        185                 190                 195
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VERIFICATION SUMMARY
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TIME: 13:59:50

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